

**TOP SECRET****PRIORITY**  
**OUT58481****T O P S E C R E T 092052Z**

1966 MAY 9 21 12Z

**PRIORITY** [REDACTED]

25X1

**CORONA****ATTN:** [REDACTED]

25X1

1. THE DEAD BANDS SUPPLIED FOR THE MISSIONS STATED ARE SUFFICIENT. WE REQUEST THAT ANY FUTURE REFINEMENTS IN DEAD BANDS BE BROUGHT TO THE IMMEDIATE ATTENTION OF [REDACTED]

25X1

2. [REDACTED] DOES NOT NEED THE RATES OF ATTITUDE CHANGE FOR EACH FRAME IN A MISSION. THE FOLLOWING FIGURES ARE NEEDED IF AVAILABLE:

25X1

A. THE MAXIMUM RATE OF ATTITUDE CHANGE IN EACH AXIS AS A DESIGN SPECIFICATION FOR THE CORONA SYSTEM, ASSUMING NORMAL OPERATIONS.

B. THE MAXIMUM AND AVERAGE RATES OF ATTITUDE CHANGE FOR THE 10 MAY 1966 CORONA SYSTEM AS DETERMINED FROM THE STELLAR DATA SUPPLIED BY [REDACTED] ANALYSIS OF INDIVIDUAL FRAME RATES WHICH YOU HAVE PREVIOUSLY DETERMINED, SHOULD PROVIDE THIS INFORMATION FOR THE CORONA SYSTEM AS A WHOLE.

25X1

3. THE SYSTEM TIME/VEHICLE TIME CORRELATION IN THE FORM OF A QUADRATIC AND LINEAR FIT IS AVAILABLE AT [REDACTED], BUT TWO VARIANCES WERE THOUGHT TO BE ABSENT. IT HAS SINCE BEEN DETERMINED THAT THE SIGMA VALUE REPORTED IN THE CORONA FLIGHT DATA BOOK, IS IN FACT THE DESIRED STANDARD DEVIATION OF THE DIFFERENCES. THE SECOND VARIANCE ESTIMATE, THAT OF THE DETERMINED A (ZERO), A (ONE), A (TWO)

25X1

**TOP SECRET**

25X1

RECEIVED FROM [REDACTED]  
RECEIVED BY [REDACTED]  
DATE [REDACTED]

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COEFFICIENTS, IS NOT AVAILABLE IN THE FLIGHT DATA BOOK. EVIDENTLY  
THESE VALUES ARE NOT AVAILABLE AT BIRD UNLESS EXISTING PROGRAMS  
ARE RE-WORKED. [ ] WILL BE ADVISED FURTHER IF A RE-WORKING OF  
EXISTING PROGRAMS IS DESIRED [ ] QUESTIONS HAVE RECENTLY  
BEEN RAISED WHICH MAY DELETE ENTIRELY ANY NEED FOR VARIANCE ESTIMATES OF  
THE QUADRATIC OR LINEAR COEFFICIENTS.

25X1

25X1

SEND REPLY TO ATTN: [ ]

25X1

T O P S E C R E T

/END OF MESSAGE/